

PSP

Week 1: Answers

Question 1: Circle the right answer

1. Which one of the following is not a programming language
 - a) BASIC
 - b) Excel**
 - c) C
 - d) PASCAL
2. Machine language is a language that is
 - a) Understood directly by a computer**
 - b) Like BASIC language
 - c) Machine independent
 - d) Application dependent
3. The machine language of a computer is also called
 - a) Mother tongue of a computer
 - b) Machine dependent language
 - c) Low-level language**
 - d) All of the above
4. A source code is a
 - a) Program written in a machine language
 - b) Program written in high-level language**
 - c) Program that is directly understood by a computer
 - d) None of the above
5. Which one of the following programming languages is the most efficient?
 - a) Assembly language
 - b) High-level language**
 - c) Machine language
 - d) BASIC language

Question 2: Briefly explain the meaning of each of the following terms.

- I. **Compiler:** A program that translates another program written in a high-level language into machine language so that it can be executed.
- II. **Source Code:** Source code is the set of instructions and statements written by a programmer using a computer programming language. This code is later translated into machine language by a compiler. The translated code is referred to as object code.
- III. **Interpreter:** An interpreter is a computer program that is used to directly execute program instructions written using one of the many high-level programming languages.

Question 3: Indicate whether the following statements are True or False

- a) The CPU is a part of the ALU. **False**
- b) The processor is the 'brain' of the computer. **True**
- c) The main memory processes data and stores it onto a disk. **True**
- d) Adding two numbers is the work of the ALU. **True**
- e) The processor is made of plastic. **False**
- f) The processor is found in the system unit. **True**

Question 4:

I. Name the two main categories of storage devices.

- 1. **Primary Storage**
- 2. **Secondary Storage**

II. Give an example of each category.

Example of Primary Storage: RAM

Example of Secondary Storage: Hard Disk

Question 5: Match items in column A to its appropriate clue in column B by completing the table given

below

	A		B
A	System Software	1	Tangible
B	Hardware	2	An example of a database software
C	Graphic Software	3	Created using a word processor
D	Document	4	Used to manipulate pictures
E	Microsoft Access	5	Controls the hardware